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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 8 HELENA INDEPENDENT-RECORD HELENA, MONTANA **AUGUST, 1964**

Production of crude oil and condensate from the oil and gas areas of Montana for the month of August 1964, averaged 83,884 barrels daily, an increase of 43 barrels from the average July production of 83,841.

The nine refineries in state processed 89,549 barrels of crude oil daily for the month of August, 1964, an increase of 793 barrels from the 88,756 barrels processed daily during the month of July, 1964.

During August, 38 wells were completed, 13 oil, 1 gas well and 24 dry holes.

During August, the commission issued 37 permits to drill new wells, a decrease of 14 from 51 permits issued during July.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF AUGUST, 1964

IN STORAGE AUGUST 1st:	
By Producers	341,998
By Transporters	1,024,699
By Refiners	760,181
TOTAL STORAGE	2,126,878
Produced in Montana During Month	2,600,431
Imported During Month	1,710,321
TOTALS	6,437,630
DISPOSITION:	
Refined in Montana	2,776,031
Exported	1,447,627
Used for Fuel or Lost	7,032
TOTAL	4,230,690
IN STORAGE AUGUST 31st:	
By Producers	342,249
By Transporters	1,125,520
By Refiners	739,171
TOTAL STORAGE	2,206,940

NATURAL GAS WITHDRAWALS IN MONTANA

Month of August, 1964

Field	M Cu. Ft.
Bears Den	3,799
Big Coulee	42,944
Bowdoin	58,558
Bowes	75,678
Cabin Creek	102,699
Cedar Creek	196,654
Cut Bank (Including Reagan)	399,617
Devon	6,482
Dry Creek	35,544
Elk Basin	21,057
Flat Coulee	1,103
Gold Butte	16,024
Golden Dome	0
Grandview	6,536
Hardin	4,419
Keith Block	29,376
Kevin Sunburst	92,666
Middle Butte	11,380
Mount Lili	22,614
Pine	57,799
Plevna	16,034
Utopia	13,567
Whitlash	103,999
Miscellaneous	23,580
TOTAL	1,342,128

Total withdrawals for August, 1963 were 1,295,493

PRODUCER'S REPORT—MONTH OF AUGUST, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Produced Oil	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
1	Ash Creek	4	1,114	1,966		2,673		407
3	Bannatyne	7	871	583		524		930
1	Bascom	1	175	208				383
4	Bear's Den	4	1,322	2,527		2,639		1,210
1	Belfry	1	98	454		357		195
1	Benrud	1	526	1,411	1,316			621
1	Benrud East	1	1,238	15,315	15,862			691
9	Big Wall	27	2,992	21,162	21,610	307		2,237
7	Blackfoot	11	2,114	5,990	3,296	2,582		2,226
3	Border	3	190	402		548		44
1	Bowes	60	6,011	12,847	10,104			8,754
3	Bradley	3	978	1,159	971			1,166
1	Brady	4		475	475			
1	Bredette North	1	619	149	568			200
2	Cabin Creek	108	6,507	254,125	254,125			6,507
12	Cat Creek	91	2,782	20,796	20,825			2,753
1	Clark's Fork	1	121	171		133		159
1	Clark's Fork North	1	1,313	860		595		1,578
2	Conrad South	4	711	858	827			742
1	Cupton	1	738	596				1,334
164	Cut Bank	1,085	105,469	158,732	148,298	6,391	170	109,342
3	Deer Creek	5	1,647	5,631	4,913			2,365
2	Delphia	2	540	368		588	4	316
2	Devil's Basin	3	1,218	172		697	11	682
2	Dry Creek	2	1,232	260		783		709
19	Dwyer	20	13,108	35,664	38,881		10	9,881
9	Elk Basin	62	3,431	307,111	306,217			4,325
1	Elk Basin Northwest	1	833	1,900		1,900		833
2	Fertile Prairie	2	663	3,406		3,427		642
5	Flat Coulee	23	3,712	34,111	33,556			4,267
3	Flat Lake	3	578	5,054		3,997		1,635
2	Frannie	2		1,454	1,454			
16	Fred & George Creek	22	2,015	126,159	125,268		443	2,463
1	Gage	2	531	275	726		4	76
4	Gas City	28	8,772	76,720	77,861	2,265		5,366
6	Glendive	11	1,213	30,009	20,690	9,673		859
10	Goose Lake	10	4,420	31,651		30,147		5,924
7	Graben Coulee	16	4,089	6,468	6,156	1,028	2	3,371
5	Gypsy Basin	6	3,155	905	178		21	3,861
1	Hibbard	1	255	554		590		219
9	Ivanhoe	14	3,848	25,395	25,885		63	3,295
8	Keg Coulee	21	5,421	32,606	33,166			4,861
159	Kevin Sunburst	834	15,909	43,965	44,508			15,366
2	Little Beaver	24	2,802	27,755	27,088	333		3,136
3	Little Beaver East	19	2,453	21,035	20,683			2,805
3	Lodge Grass	3	1,156	4,496		4,401		1,251
3	Lone Tree	3	657	4,191		4,496		352
25	Lookout Butte	69	3,140	139,859	141,105			1,894
	Mackay Dome		770					770
2	Melstone	5	689	3,182	3,095			776
6	Monarch	14	2,890	16,350	16,577			2,663
4	Mosser	4		819		819		
1	Musselshell	1	338	14				352
7	Outlook	11	7,155	35,862	36,912			6,105
2	Outlook South	2	1,646	2,420	2,581			1,485
63	Pennel	107	3,836	229,480	228,852		215	4,249
4	Pine	130	11,607	316,739	315,664			12,682
4	Pole Creek	7	684	3,500		3,119		1,065
76	Pondera	357	7,648	34,476	32,664			9,460
5	Poplar East	82	14,148	110,307	110,304		58	14,093
4	Poplar Northwest	5	1,821	1,964	2,690			1,095
6	Ragged Point	18	2,663	7,730	7,436			2,957
3	Reagan	43	2,597	17,697	17,082			3,212
11	Red Creek	21	3,835	40,464	41,074			3,225
1	Redstone	1	666	963	1,119			510
1	Repeat	1	1,030	1,887		1,795		1,122
6	Richey	9	2,773	3,363	3,657			2,479
6	Richey Southwest	7	3,647	16,415		17,027		3,035
4	Sand Creek	5		9,133	9,133			
5	Sidney-Brorson	5	3,125	4,074	1,585	2,218		3,396
2	Snyder	4	1,457	739		767		1,429
5	Soap Creek	9	4,925	5,211		5,151		4,985
2	Spring Lake	4	3,956	10,577		9,516		5,017
2	Stensvad	23	5,255	37,280	37,502			5,033
27	Sumatra	90	10,977	104,286	103,749			11,514
5	Tule Creek	7	2,667	45,098	45,982			1,783
1	Tule Creek South	1	694	4,234	4,521			407
2	Vida	2	637	3,165		2,731		1,071
1	Volt	1	1,204	4,520	4,942			782
14	Whitlash	33	5,513	15,327	15,377			5,463
2	Whitlash West	2	140	416	416			140
2	Wills Creek South	2	1,436	10,403	9,868			1,971
9	Wolf Springs	16	5,718	25,509	26,832			4,395
4	Woodrow	6	679	6,678	6,637			720
1	Wildcat, Dawson Cty	1		803		803		
1	Wildcat, Liberty Cty	1	217	165				382
1	Wildcat, Roosevelt Cty	1	268	1,221		1,296		193
834		*3,665	341,998	2,600,431	2,472,863	126,316	1,001	342,249

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
Second Quarter, 1964	7,628,879	83,833	7,643,945	83,999
July, 1964	2,599,071	83,841	2,602,669	83,957
August, 1964	2,600,431	83,884	2,599,179	83,844

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,444	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
June, 1964	346,150	1,115,235	788,338	2,249,723
July, 1964	341,998	1,024,699	760,181	2,126,878
August, 1964	342,249	1,125,520	739,171	2,206,940

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF AUGUST, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,673				2,673		
BANNATYNE—Truck			524			524			
BEAR'S DEN—Truck			2,639			2,639			
BELFRY—Truck			357				357		
BIG WALL—Glacier Pipeline Co.		21,916				21,916			
McWood Corp.			307			307			
		21,916	307			22,223			
BLACKFOOT—Union Oil Co.		3,296				3,296			
Camerland Cardinal Corp.			2,582					2,582	
		3,296	2,582			3,296		2,582	
BORDER—Truck			548			548			
BOWES—Texaco, Inc.		10,104				10,104			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	270,931	715,039	37,251	628,469			1,355,932		295,758
Shell Pipeline Co.	5,764	376,568		1,057	1,291			377,818	4,280
	276,695	1,091,607	37,251	629,526	1,291		1,355,932	377,818	300,038
CAT CREEK									
Glacier Pipeline Co.		17,488				17,488			
CLARK'S FORK—Truck			728				728		
CUT BANK									
Darling Gathering System, Inc.	2,827	5,848						6,434	2,241
Glacier Pipeline Co.			7,419	617,083		624,502			
Phillips Petroleum Co.	36,929	48,478		56,449	450	63,757		24,735	52,914
Texas Pipeline Co.	23,448	35,184		12,603	523	6,103		40,797	23,812
Union Oil Co.	143,564	54,995		22,928	(313)	2,561		22,537	196,702
Western Oil Transportation Co.	35,571	30,187		47,842		20,618		56,336	36,646
	242,339	174,692	7,419	756,905	660	717,541		150,839	312,315
DELPHIA—Truck			588			588			
DEVIL'S BASIN—Truck			697			530	167		
DRY CREEK—									
Marathon Pipeline Co.	395		783		395		783		
DWYER—Hunt Petroleum Corp.		38,586					38,586		
ELK BASIN—									
Marathon Pipeline Co.		307,459				307,459			
ELK BASIN NORTHWEST—Truck			1,900				1,900		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	34,450						34,450	3,000
FLAT LAKE—Truck			3,997				3,997		
FRANNIE—Marathon Pipeline Co.		1,454					1,454		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	17,877	122,945				3,681		119,610	17,531
GAGE—Glacier Pipeline Co.		727				727			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	6,058	51,048			(267)			46,097	11,276
GOOSE LAKE—Truck			30,147				30,147		
HIBBARD—Truck			590			590			
IVANHOE—Glacier Pipeline Co.		25,894				25,894			
KEG COULEE—									
Glacier Pipeline Co.		35,403				35,403			
KEVIN SUNBURST—									
Big West Oil Co.	3,170	46,004				46,201			2,973
Homestake Oil & Gas Co.	454	2,558		6,435		8,930			517
Texas Pipeline Co.	7,306	15,736			(29)			12,603	10,468
	10,930	64,298		6,435	(29)	55,131		12,603	13,958
LODGE GRASS—Truck			4,401			4,401			
LONE TREE—Truck			4,496				4,496		
MELSTONE—									
Glacier Pipeline Co.		3,095				3,095			
MOSSER—Truck			819				819		
PONDERA—Phillips Petr. Co.	18,884	32,956		24,735	(359)	61,745			15,189
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	11,417	218,568			1,412			209,276‡	19,297
POLE CREEK—Truck			3,119				3,119		
RAGGED POINT—									
Glacier Pipeline Co.		7,437				7,437			
RED CREEK—									
Western Oil Transportation Co.		46,151			(462)			46,613	
SIDNEY-BRORSON									
McWood Corp.	7,565		2,218	3,091				2,697	10,177
SNYDER—McWood Corp.			767			767			
SOAP CREEK—McWood Corp.	1,041		5,151	1,834		3,267			4,759
SPRING LAKE—Truck			9,516				9,516		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	428,493	142,124		31,726	2,187	126,968		55,208	417,980
WHITLASH—									
Homestake Oil & Gas Co.	5	200				205			
Camerland Cardinal Corp.		10,571				10,571			
	5	10,771				10,776			
WOLF SPRINGS—									
Glacier Pipeline Co.		26,567				26,567			
WILDCAT WELLS—			2,099				2,099		
TOTALS	1,024,699	2,489,036	126,316	1,454,252	4,828	1,449,389	1,456,773	1,057,793	1,125,520

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest and Wills Creek South.

‡Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF AUGUST, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Texstar Petr. Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall				22,223						22,223
Blackfoot		3,296								3,296
Border				548						548
Bowes			861							861
Cat Creek		13,238		2,894		2,562				18,694
Cut Bank		219,482						84,375	2,561	306,418
Delphia						489				489
Devil's Basin						200				200
Elk Basin		114,785		100,702	91,972					307,459
Fred & George Creek	3,681									3,681
Gage		720				7				727
Hibbard						403				403
Ivanhoe					25,894					25,894
Keg Coulee				35,403						35,403
Kevin Sunburst	42,333	12,798								55,131
Lodge Grass		4,401								4,401
Melstone				3,095						3,095
Pondera		18,004						43,741		61,745
Ragged Point		7,437								7,437
Red Creek					46,151					46,151
Richey, Southwest							4,781			4,781
Snyder		767								767
Soap Creek		3,267								3,267
Sumatra & Stensvad		24,103		84,866						108,969
Whitlash	10,785									10,785
Wolf Springs					32,885					32,885
Total Montana Oil	56,799	422,298	861	249,731	196,902	3,661	4,781	128,116	2,561	1,065,710
Canadian Oil Imported		353,044							2,218	355,262
Wyoming Oil Imported		72,086		437,457	842,726	2,790				1,355,059
Total Montana, Canadian, and Wyoming Oil	56,799	847,428	861	687,188	1,039,628	6,451	4,781	128,116	4,779	2,776,031

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
August, 1963	32,664	3,457	45,674	81,795
August, 1964	34,377	11,461	43,711	89,549

PERCENTAGE OF CRUDE OIL REFINED

Montana	Canada	Wyoming
41.99%	5.53%	52.48%
39.93%	4.23%	55.84%
38.38%	12.81%	48.81%